Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	("base services patterns in a netcentric environment" or "maintenance and administration in an e-commerce application framework").ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/28 08:07
L2	0	bowman.in. and ("base services patterns in a netcentric environment" or "maintenance and administration in an e-commerce application framework")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/28 08:09
L3	0	("base services patterns in a netcentric environment" or "maintenance and administration in an e-commerce application framework")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/28 08:09
L4	55	("netcentric environment" or "e-commerce application framework")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/28 08:10
S1	499	717/100	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/27 09:55
S2	223	717/101	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/15 08:49
S3	89	717/102	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/15 08:49
S4	97	717/103	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/15 08:49
S5	319	717/120	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/15 10:41

S6	57	717/123	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/15 08:50
S7	5349	((developer or designer) near3 (software or component or application or api or code or program)) and (customer or client or target) and (report$3 or notify or notification or contract$3 or alert$3 or alarm$3 or contact$3) and (repair$3 or chang$3 or correct$3 or improv$4 or modify$3 or modification)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/15 08:54
S8	707	(((developer or designer) near3 (software or component or application or api or code or program)) and (customer or client or target) and (report$3 or notify or notification or contract$3 or alert$3 or alarm$3 or contact$3) and (repair$3 or chang$3 or correct$3 or improv$4 or modify$3 or modification)) and 717/1??	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/15 08:55
S9	584	((developer or designer) near3 (software or component or application or api or code or program))same (customer or client or target) and (report$3 or notify or notification or contract$3 or alert$3 or alarm$3 or contact$3) same (repair$3 or chang$3 or correct$3 or improv$4 or modify$3 or modification)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/20 12:43
S10	106	(((developer or designer) near3 (software or component or application or api or code or program))same (customer or client or target) and (report$3 or notify or notification or contract$3 or alert$3 or alarm$3 or contact$3) same (repair$3 or chang$3 or correct$3 or improv$4 or modify$3 or modification)) and 717/1??	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/15 08:55

S11	99	(((developer or designer) near3 (software or component or application or api or code or program))same (customer or client or target) and (report$3 or notify or notification or contract$3 or alert$3 or alarm$3 or contact$3) same (repair$3 or chang$3 or correct$3 or improv$4 or modify$3 or modification)) and 717/1?? not ((international and business).as.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/15 10:40
S12	26	"6016394".URPN.	USPAT	OR	OFF	2004/09/15 10:14
S13	11	"6170081".URPN.	USPAT	OR	OFF	2004/09/15 10:22
S14	20	("4528644" | "4827404" | "4831526" | "4949253" | "5038296" | "5353401" | "5381534" | "5381548" | "5423041" | "5437027" | "5485601" | "5485610" | "5495567" | "5504885" | "5566330" | "5586314" | "5615379" | "5819090" | "5819251" | "5830065").PN.	USPAT	OR	OFF	2004/09/15 10:25
S15	18	"5485601".URPN.	USPAT	OR	OFF	2004/09/15 10:32
S16	845	717/12? and (develop$4 or build) and (target or client or environment) and (monitor$3 or violat$4 or debug$5 or analysis or analyz$3) and (control or condition or guideline or enforc$3 or costraint or requirement or policy or parameter) and (hardware and software)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/15 10:45
S17	643	717/12? and (develop$4 or build) and (target or client or environment) and (monitor$3 or violat$4 or debug$5 or analysis or analyz$3) and (control or condition or guideline or enforc$3 or costraint or requirement or policy or parameter) and (hardware and software) and (report$3 or notification or notify or alert or messag$3 or advising)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/15 10:45

S18	59	717/12? and (develop$4 or build) same (target or client or environment) and (monitor$3 or violat$4 or debug$5 or analysis or analyz$3) same (control or condition or guideline or enforc$3 or constraint or requirement or policy or parameter) same (hardware and software) and (report$3 or notification or notify or alert or messag$3 or advising)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/15 14:53
S19	20	("4484294" | "4568866" | "4796179" | "5055755" | "5086385" | "5404288" | "5546301" | "5838563" | "5971581" | "6026352" | "6076952" | "6106569" | "6119125" | "6134706" | "6154680" | "6195591" | "6226792" | "6259958" | "6425119" | "6477439").PN.	USPAT	OR	OFF	2004/09/15 11:11
S20	1	("5828824" | "2001/0034880" | "2001/0042226" | "2002/0004933" | "2002/0087948").PN.	USPAT	OR	OFF	2004/09/15 11:25
S21	0	"6708290".URPN.	USPAT	OR	OFF	2004/09/15 11:25
S22	15	"5771385".URPN.	USPAT	OR	OFF	2004/09/15 11:44
S23	22	"5715387".URPN.	USPAT	OR	OFF	2004/09/15 11:52
S24	6	("5911075" "5961610" "6145119").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/15 14:59
S25	1	"6145119".URPN.	USPAT	OR	OFF	2004/09/15 14:55
S26	18	("5168441" | "5179698" | "5193182" | "5193183" | "5195178" | "5241645" | "5249300" | "5706502" | "5737599" | "5752244" | "5754782" | "5761499" | "5787431" | "5787437" | "5842020" | "5850548" | "5857197" | "5966702").PN.	USPAT	OR	OFF	2004/09/15 14:55
S27	5	development same (partition near3 image) and target	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/15 15:00

S28	22	development same (emulate near3 target)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/15 15:18
S29	4051	build$3 and (partition and image)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/15 15:24
S30	127	build$3 and (partition and image) and 717/???	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/15 15:37
S31	122	build$3 and (partition and image) and 717/??? and (client or customer or contract or constraint or profile or condition or (statement near2 work) or (control adj information) or developer or violation or violated or verify or verification)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/15 15:44
S32	374	"717" and (notify or notification or report$3) near3 (developer or designer or customer or client)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/15 15:46
S33	0	"717" and (notify or notification or report$3) near3 (developer or designer or customer or client) and ("statement of work")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/15 15:46
S34	0	"717" and (notify or notification or report$3) near3 (developer or designer or customer or client) and (work adj order) and server adj profile	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/15 15:47
S35	9	"717" and (notify or notification or report$3) near3 (developer or designer or customer or client) and (work adj order)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/15 15:49
S36	61	"717" and (work adj (order or statement or contract))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/15 15:50

S37	23	717/??? and (work adj (order or statement or contract))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/15 15:56
S38	144	statement near2 work and development	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/20 12:43
S39	192	((statement near2 work) or proposal or contract) same (hardware and software) and development	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/20 12:43
S40	169	((statement near2 work) or proposal or contract) same (hardware and software) and development and (complian$2 or constrain$3 or conditions or requirement or policy or guideline or validat$3 or verification or verify)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/15 16:37
S41	124	dell.as. and build near3 order	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/20 09:59
S42	2182	configur$5 same install$5 same software same hardware	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/20 10:02
S43	2	configur$5 same install$5 same software same hardware same (software adj developer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/20 10:01
S44	57	configur$5 same install$5 same software same hardware and (software adj developer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/20 10:02
S45	732	assess$4 near3 (software or (engineering adj process))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/20 11:25

S46	3	assess$4 near3 (custom$7 near3 configurat$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/20 11:19
S47	2	"6064982".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/20 11:19
S48	29764	assess$4 near3 (software or (engineering adj process)) aand 700/???	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/20 11:25
S49	29771	assess$4 near3 (software or (engineering adj process)) aand 700/???	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/20 11:25
S50	19	assess$4 near3 (software or (engineering adj process)) and 700/???	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/20 11:39
S51	6	assess$4 near3 (software or (engineering adj process)) and 700/??? and (developer or engineer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/20 11:41
S52	6	assess$4 near3 (software or (engineering adj process)) and 700/??? and (developer or engineer) and (fault$3 or error or correction or violat$3 or condition or constraint) and (report or notice or notification or alert$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/20 11:46
S53	1	assess$4 near3 (software or (engineering adj process)) and 700/??? and (developer or engineer) and (fault$3 or error or correction or violat$3 or condition or constraint) and (report or notice or notification or alert$3) and (customer or user or purchaser) and (contract or sow or (work adj order) or (statement near2 work)) and server and network	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/20 12:37
S54	0	"6738736".URPN.	USPAT	OR	OFF	2004/09/20 11:53

S55	6	("5630069" | "5953707" | "6313752" | "6336138" | "6415196" | "6542854").PN.	USPAT	OR	OFF	2004/09/20 11:53
S56	37	"5630069".URPN.	USPAT	OR	OFF	2004/09/20 12:08
S57	2236	(development adj environment) and developer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/20 12:37
S58	168	(development adj environment) and (delegat$3 or assign$3 or task$3) near3 developer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/20 12:38
S59	920	(event or messag$3) near5 (violat$4) and (report or notice or notify or alert$3 or notification)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/20 12:39
S60	84	issue$3 near3 (report$3 near3 (client or purchaser or buyer or customer))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/20 12:40
S61	1	((development adj environment) and (delegat$3 or assign$3 or task$3) near3 developer) and ((event or messag$3) near5 (violat$4) and (report or notice or notify or alert$3 or notification))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/20 12:41
S62	1	((development adj environment) and (delegat$3 or assign$3 or task$3) near3 developer) and (issue$3 near3 (report$3 near3 (client or purchaser or buyer or customer)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/20 12:42
S63	3	((event or messag$3) near5 (violat$4) and (report or notice or notify or alert$3 or notification)) and (issue$3 near3 (report$3 near3 (client or purchaser or buyer or customer)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/20 12:42
S64	584	((developer or designer) near3 (software or component or application or api or code or program))same (customer or client or target) and (report$3 or notify or notification or contract$3 or alert$3 or alarm$3 or contact$3) same (repair$3 or chang$3 or correct$3 or improv$4 or modify$3 or modification)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/20 12:43

S65	144	statement near2 work and development	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/20 12:43
S66	195	((statement near2 work) or proposal or contract) same (hardware and software) and development	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/20 12:44
S67	9	((development adj environment) and (delegat$3 or assign$3 or task$3) near3 developer) and (statement near2 work and development)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/20 12:45
S68	7	((development adj environment) and (delegat$3 or assign$3 or task$3) near3 developer) and (((statement near2 work) or proposal or contract) same (hardware and software) and development)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/20 12:45
S69	34	((development adj environment) and developer) and (statement near2 work and development)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/20 12:47
S70	8	("5768500" "6195748" "6237073" "6192516").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/20 17:22
S71	2	"6233600".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/20 17:22
S72	9	("6282711" "6502194" "6718549" "6094679").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/27 10:03
S73	10	"6282711".URPN.	USPAT	OR	OFF	2004/09/27 09:59
S74	1	("6282711" "6502194" "6718549" "6094679").pn. and (notice or notification or notify or alert or report$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/27 10:04

S75	323	issu$3 near3 ((report or notice or message or alert) near3 (customer or client))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/27 10:06
S76	106	issu$3 near3 ((report or notice or message or alert) near3 (customer or client)) same (error or fault or constraint or status or violation or condition)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/27 10:08
S77	50	issu$3 near3 ((report or notice or message or alert) near3 (customer or client)) same (error or fault or constraint or status or violation or condition) and develop$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/27 10:09
S78	50	issu$3 near3 ((report or notice or message or alert) near3 (customer or client)) same (error or fault or constraint or status or violation or condition) and develop$4 and ((updat$3 near3 profile) or correct$3 or chang$3 or problem)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/27 10:25
S79	56	"6012152".URPN.	USPAT	OR	OFF	2004/09/27 10:16
S80	933	(generat$3 or send$3 or produc$3 or issu$3) near3 ((report or notice or message or alert or warning) near3 (customer or client or target or end-user or user)) same (error or fault or constraint or status or violation or condition or criteria or performance) and ((develop$4 or build) near3 (software or application or program or target)) and ((updat$3 near3 profile) or correct$3 or chang$3 or problem)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/27 10:29
S81	67	(generat$3 or send$3 or produc$3 or issu$3) near3 ((report or notice or message or alert or warning) near3 (customer or client or target or end-user or user)) same (error or fault or constraint or status or violation or condition or criteria or performance) and ((develop$4 or build) near3 (software or application or program or target)) and ((updat$3 near3 profile) or correct$3 or chang$3 or problem) and 717/1??	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/27 10:33

S82	4474	(customer or client or end-user or (end adj user)) near3 satisfaction	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/27 10:34
S83	71	(customer or client or end-user or (end adj user)) near3 satisfaction and (issu$3 near3 report)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/27 10:35
S84	3	"6405364".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/02 13:20
S85	891	(creat$3 or manag$3 or control$4) near5 (development adj (environment or paltform or scenario))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/02 13:21
S86	932	(creat$3 or manag$3 or control$4) near5 (development adj (environment or platform or scenario))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/02 13:21
S87	888	(creat$3 or manag$3 or control$4) near5 (development adj (environment))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/02 13:22
S88	644	(creat$3 or manag$3 or control$4) near5 (development adj (environment)) and (hardware and software)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/02 13:46
S89	633	(creat$3 or manag$3 or control$4) near5 (development adj (environment)) and (hardware and software) and (condition or violat$3 or detect$3 or notifi$6 or correct$3 or standard or problem)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/02 13:25
S90	6	(creat$3 or manag$3 or control$4) near5 (development adj (environment)) same (hardware and software) same (condition or violat$3 or detect$3 or notifi$6 or correct$3 or standard or problem)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/02 13:45
S91	224	(creat$3 or manag$3 or control$4) near5 (development adj (environment)) and ((client or customer) near3 (review$3 or request$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/02 13:46

S92	184	S89 and S91	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/02 13:46
S93	71	(creat$3 or manag$3 or control$4) near5 (development adj (environment)) and (hardware and software) and ((assign$3 or appoint$3 or distribut$3) near3 developer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/02 13:53
S94	464	(creat$3 or manag$3 or control$4) near5 (development adj (environment)) and image	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/02 13:54
S95	11	(creat$3 or manag$3 or control$4) near5 (development adj (environment)) and (target or environment or platform) adj image	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/02 13:56
S96	0	(creat$3 or manag$3 or control$4) near5 (development adj (environment)) and (burn$3 or overlay$3) adj image	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/02 13:56
S97	0	(creat$3 or manag$3 or control$4) near5 (development adj (environment)) and (partition) adj image	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/02 13:56
S98	4	(development adj (environment)) and (partition) adj image	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/02 13:57
S99	0	order$3 same "to be developed"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/02 13:58
S100	0	"to be developed"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/02 13:58
S101	75	development adj request	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/02 13:58

S10 2	7	("5511199" | "5546594" | "5737739" | "5758160" | "5893106" | "5903897").PN. OR ("6658642").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/02 14:15
S10 3	1524	705/1.ccls. and (software and hardware)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/02 14:15
S10 4	480	705/1.ccls. and (software and hardware) and (receiv$3 near2 request) and description	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/02 14:18
S10 5	0	705/1.ccls. and (software and hardware) and (receiv$3 near2 request) and description and "to be developed"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/02 14:16
S10 6	0	705/1.ccls. and (software and hardware) and (receiv$3 near2 request) and description and "to be developed" and (development near3 environment)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/02 14:16
S10 7	0	705/1.ccls. and (software and hardware) and (receiv$3 near2 request) and description and "to be developed" and environment	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/02 14:16
S10 8	67	705/1.ccls. and (software and hardware) and (receiv$3 near2 request) and description and developer	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/02 15:52
S10 9	3717	705/1.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/02 15:52
S11 0	29	705/1.ccls. and "purchase process"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/02 15:52
S11 1	0	"statement ofwork"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 12:21
S11 2	0	"statement of work"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 12:21
S11 3	7455	"sow"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 12:22

S11 4	40	"sow" same contract$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 12:22
S11 5	5	"20020112232" or "6405364".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/17 14:47
S11 6	236	(describ$3 or description or elaboration or specification or specify) near5 ("development environment")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 17:23
S11 7	11	(describ$3 or description or elaboration or specification or specify) near5 ("development environment") and "process program"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 17:48
S11 8	42	705/???.ccls. and "process program"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 17:52
S11 9	6692	process$3 and guid$3 near3 (specification or develop$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 17:56
S12 0	1567	process$3 and "requirements specifications"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 17:57
S12 1	1498	process$3 and "requirements specifications" and description	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 17:57
S12 2	768	process$3 and "requirements specifications" and description and environment	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 17:57
S12 3	714	process$3 and "requirements specifications" and description and environment and control$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 17:58

S12 4	188	process$3 and "requirements specifications" and description and environment and (monitor$3 near3 (control$4 or violation or error or condition or illegal))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 17:59
S12 5	9	process$3 and "requirements specifications" and description and environment and (monitor$3 near3 (control$4 or violation or error or condition or illegal)) and "process requirements"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 18:07
S12 6	226	"requirements specifications" and description and environment and ((monitor$3 or tracking)near3 (control$4 or violation or error or condition or illegal)) and requirements	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 18:07
S12 7	2	705/???.ccls. and "requirements specifications" and description and environment and ((monitor$3 or tracking)near3 (control$4 or violation or error or condition or illegal)) and requirements	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 18:12
S12 8	3	705/???.ccls. and "requirements specifications" and description and environment	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 18:13
S12 9	386	705/???.ccls. and requirements and specifications and description and environment	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 18:14
S13 0	152	705/???.ccls. and requirements and specifications and description and environment and development	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 18:14
S13 1	28	705/???.ccls. and requirements and specifications and description and environment and development and enforc$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 18:27
S13 2	3749	requirements and specifications and description and environment and development and enforc$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 18:27

S13 3	1172	requirements and specifications and description and environment and development and enforc$4 and (creat$3 or manag$4) near3 develop$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 18:28
S13 4	870	requirements and specifications and description and environment and development and enforc$4 and (creat$3 or manag$4) near3 develop$4 and (software near3 develop$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 18:28
S13 5	815	requirements and specifications and description and environment and development and enforc$4 and (creat$3 or manag$4) near3 develop$4 and (software near3 develop$4) and request$3 and control$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 18:31
S13 6	587	requirements and specifications and description and environment and development and enforc$4 and (creat$3 or manag$4) near3 develop$4 and (software near3 develop$4) and request$3 and control$4and (assign$4 near3 developer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 18:31
S13 7	63	requirements and specifications and description and environment and development and enforc$4 and (creat$3 or manag$4) near3 develop$4 and (software near3 develop$4) and request$3 and control$4 and (assign$4 near3 developer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 18:38
S13 8	1205	709/232.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 08:23
S13 9	0	709/232.ccls. and "send from the server" and "receiving acknowledgment"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 08:24
S14 0	21	709/232.ccls. and "receiving acknowledgment"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 08:24

S141	111	(model$3 near5 environment) and (software near3 develop$4) and (assign$4 near3 (developer or designer or programmer))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 12:55
S142	25	("5767848").URPN.	USPAT	OR	OFF	2005/11/23 12:58
S143	29	("20010042001" | "4852001" | "4896269" | "5111391" | "5343387" | "5557515" | "5767848" | "5819263" | "5848395" | "5867823" | "5890133" | "5893906" | "5907829" | "5923552" | "5963911" | "6006195" | "6006215" | "6073109" | "6134557" | "6138104" | "6151583" | "6157915" | "6263313" | "6345256" | "6389403" | "6389538" | "6398245" | "6418421" | "6578005").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/23 13:57
S144	1	"6405364".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/23 14:23
S145	46	"delivery vehicle frameworks"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/23 14:24
S146	15	"network-centric architecture framework"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/23 14:25

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1 Understanding process and the quest for deeper questions in software engineering research
Leon J. Osterweil
September 2003 **ACM SIGSOFT Software Engineering Notes , Proceedings of the 9th**
                European software engineering conference held jointly with 11th ACM
                SIGSOFT international symposium on Foundations of software engineering
                ESEC/FSE-11, Volume 28 Issue 5
Publisher: ACM Press
Full text available: 📄 pdf(238.67   Additional Information: full citation, abstract, references, index
                         KB)   terms

This paper provides a brief summary of some overall currents and directions in my research with
a particular emphasis on my work in the area of process. Using this perspective as a basis, the
paper suggests the importance of using the challenge of grappling with hard technical problems
as a basis for searching for deeper questions. The search for deep and enduring problems at the
core of our discipline is rewarding for individual researchers and could provide substance,
direction, purpose, and c ...

Keywords: software analysis tools, software engineering, software environments, software
process

2 Software processes are software too, revisited: an invited talk on the most influential paper of ICSE
9
Leon J. Osterweil
May 1997 **Proceedings of the 19th international conference on Software engineering**
Publisher: ACM Press
Full text available: 📄 pdf(1.52   Additional Information: full citation, references, citings, index
                         MB)   terms

3 APPL/A: a language for software process programming
Stanley M. Sutton, Dennis Heimbigner, Leon J. Osterweil
July 1995 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume

4 Issue 3
Publisher: ACM Press
Full text available: pdf(4.89   Additional Information: full citation, abstract, references,
                MB)   citings, index terms, review

Software process programming is the coding of software processes in executable programming
languages. Process programming offers many potential benefits, but their realization has been
hampered by a lack of experience in the design and use of process programming languages.
APPL/A is a prototype software process programming language developed to help gain this
experience. It is intended for the coding of programs to represent and support software processes
including process, product, and p ...

Keywords: consistency management, multiparadigm programming languages, software process
programming, transaction management

4   Software processes are software too
    L. Osterweil
    March 1987 **Proceedings of the 9th international conference on Software Engineering**
    Publisher: IEEE Computer Society Press
    Full text available: pdf(1.15   Additional Information: full citation, references, citings, index
                MB)   terms

5   Automated support for the enactment of rigorously described software processes
    L. Osterweil
    April 1988 **ACM SIGSOFT Software Engineering Notes , Proceedings of the 4th international**
                software process workshop on Representing and enacting the software process,
                Volume 14 Issue 4
    Publisher: ACM Press
    Full text available: pdf(406.93   Additional Information: full citation, abstract, citings, index
                KB)   terms

    There are many advantages to developing rigorously described software processes. Certainly,
    they provide the basis for improved project visibility, communication, and coordination. If they
    are sufficiently rigorous they also provide the basis for effective analysis and error detection
    which can be used to improve processes. Of the many advantages, however, none strikes me as
    being more important than the opportunity which rigorous process specifications present for
    directing the coordinatio ...

6   Language constructs for managing change in process-centered environments
    Stanley M. Sutton, Dennis Heimbigner, Leon J. Osterweil
    October 1990 **ACM SIGSOFT Software Engineering Notes , Proceedings of the fourth ACM**
                SIGSOFT symposium on Software development environments SDE 4, Volume
                15 Issue 6
    Publisher: ACM Press
    Full text available: pdf(1.43   Additional Information: full citation, abstract, references,
                MB)   citings, index terms

    Change is pervasive during software development, affecting objects, processes, and
    environments. In process centered environments, change management can be facilitated by

software-process programming, which formalizes the representation of software products and processes using software-process programming languages (SPPLs). To fully realize this goal SPPLs should include constructs that specifically address the problems of change management. These problems include lack of representation of ...

7   An architecture for flexible, evolvable process-driven user-guidance environments

Timothy J. Sliski, Matthew P. Billmers, Lori A. Clarke, Leon J. Osterweil

September 2001 **ACM SIGSOFT Software Engineering Notes , Proceedings of the 8th European software engineering conference held jointly with 9th ACM SIGSOFT international symposium on Foundations of software engineering ESEC/FSE-9,** Volume 26 Issue 5

Publisher: ACM Press

Full text available: pdf(175.25 KB)   Additional Information: full citation, abstract, references, citings, index terms

Complex toolsets can be difficult to use. User interfaces can help by guiding users through the alternative choices that might be possible at any given time, but this tends to lock users into the fixed interaction models dictated by the user-interface designers. Alternatively, we propose an approach where the tool utilization model is specified by a process, written in a process definition langauge. Our approach incorporates a user-interface specification that describes how the user-interface is ...

Keywords: process guidance, tool integration, user interface design

8   The design of a next-generation process language

Stanley M. Sutton, Leon J. Osterweil

November 1997 **ACM SIGSOFT Software Engineering Notes , Proceedings of the 6th European conference held jointly with the 5th ACM SIGSOFT international symposium on Foundations of software engineering ESEC '97/FSE-5,** Volume 22 Issue 6

Publisher: Springer-Verlag New York, Inc., ACM Press

Full text available: pdf(1.49 MB)   Additional Information: full citation, references, citings, index terms

9   Verifying properties of process definitions

Jamieson M. Cobleigh, Lori A. Clark, Leon J. Osterweil

August 2000 **ACM SIGSOFT Software Engineering Notes , Proceedings of the 2000 ACM SIGSOFT international symposium on Software testing and analysis ISSTA '00,** Volume 25 Issue 5

Publisher: ACM Press

Full text available: pdf(216.13 KB)   Additional Information: full citation, abstract, references, citings, index terms

It seems important that the complex processes that synergize humans and computers to solve widening classes of societal problems be subjected to rigorous analysis. One approach is to use a process definition language to specify these processes and to then use analysis techniques to evaluate these definitions for important correctness properties. Because humans demand flexibility in their participation in complex processes, process definition languages must

incorporate complicated control ...

10 Experiences with process programming
Leon J. Osterweil
October 1990 **Proceedings of the 5th international software process workshop on Experience**
with software process models
Publisher: IEEE Computer Society Press
Full text available: pdf(265.14
KB)   Additional Information: full citation, abstract, index terms

Our research has investigated the feasibility and ramifications of process programming. We
claim that it is highly advantageous to treat software processes, such as development and
maintenance, as actual software which can be specified, designed, coded, executed, tested, and
maintained. If software processes are to be coded and executed, it is necessary for them to be
coded in a language which can then be compiled, loaded, and executed. Likewise, if software
processes are to specified and d ...

11 Little-JIL/Juliette: a process definition language and interpreter
Aaron G. Cass, Barbara Staudt Lerner, Stanley M. Sutton, Eric K. McCall, Alexander Wise, Leon J.
Osterweil
June 2000 **Proceedings of the 22nd international conference on Software engineering**
Publisher: ACM Press
Full text available: pdf(98.88   Additional Information: full citation, abstract, references,
KB)   citings, index terms

Little-JIL, a language for programming coordination in processes is an executable, high-level
language with a formal (yet graphical) syntax and rigorously defined operational semantics. The
central abstraction in Little-JIL is the "step," which is the focal point for coordination, providing
a scoping mechanism for control, data, and exception flow and for agent and resource
assignment. Steps are organized into a static hierarchy, but can have a highly dynamic execution
structure ...

Keywords: Little-JIL, coordination, process, process programming, workflow

12 STARS process concepts summary
Hal Hart, Jerry Doland, Dick Drake, Bill Ett, Jim King, Herb Krasner, Lee Osterweil, Jim Over
December 1992 **Proceedings of the conference on TRI-Ada '92**
Publisher: ACM Press
Full text available: pdf(1.04
MB)   Additional Information: full citation, citings, index terms

13 PDP: Programming A Programmable Design Process
Stanley M. Sutton Jr, Leon J. Osterweil
March 1996 **Proceedings of the 8th International Workshop on Software Specification and**
Design
Publisher: IEEE Computer Society
Full text available: pdf(752.71   Additional Information: full citation, abstract, citings

KB) ▩
Publisher Site

We have been developing PDP, a system for programming the process of designing software that is based on Booch Object-Oriented Design. Because PDP allows tailoring and adaptation by participants, we consider it a programmable process. We believe that process programming can help in capturing and managing the inherent complexities of design processes and products, while programmability is necessary to accommodate the dynamic and creative aspects of design. PDP views the design process as comprisi ...

14 Coordinating agent activities in knowledge discovery processes
David Jensen, Yulin Dong, Barbara Staudt Legner, Eric K. McCall, Leon J. Osterweil, Stanley M. Sutton, Alexander Wise
> March 1999 **ACM SIGSOFT Software Engineering Notes , Proceedings of the international joint conference on Work activities coordination and collaboration WACC '99,** Volume 24 Issue 2
Publisher: ACM Press
Full text available: ▩ pdf(1.26 MB)   Additional Information: full citation, abstract, references, index terms

Knowledge discovery in databases (KDD) is an increasingly widespread activity. KDD processes may entail the use of a large number of data manipulation and analysis techniques, and new techniques are being developed on an ongoing basis. A challenge for the effective use of KDD is coordinating the use of these techniques, which may be highly specialized, conditional and contingent. Additionally, the understanding and validity of KDD results can depend critically on the processes by which they were ...

Keywords: agenda management, agent coordination, knowledge discovery process, knowledge representation, process programming

15 Integrating testing techniques through process programming
D. Richardson, S. Aha, L. Osterweil
> November 1989 **ACM SIGSOFT Software Engineering Notes , Proceedings of the ACM SIGSOFT '89 third symposium on Software testing, analysis, and verification TAV3,** Volume 14 Issue 8
Publisher: ACM Press
Full text available: ▩ pdf(1.17 MB)   Additional Information: full citation, abstract, references, citings, index terms

Integration of multiple testing techniques is required to demonstrate high quality of software. Technique integration has four basic goals: reduced development costs, incremental testing capabilities, extensive error detection, and cost-effective application. We are experimenting with the use of process programming as a mechanism for integrating testing techniques. Having set out to develop a process that provides adequate coverage and comprehensive fault detection, we proposed synergistic ...

16 Assuring Accuracy and Impartiality in Software Design Methodology Comparison
Leon J. Osterweil, Xiping Song
> March 1996 **Proceedings of the 8th International Workshop on Software Specification and Design**

Publisher: IEEE Computer Society
Full text available: pdf(287.89
           KB)   Additional Information: full citation, abstract
           Publisher Site

Software product and process modeling can be used as bases for more accurate, objective, and repeatable comparison of Software Design Methodologies (SDM's). In earlier work we have demonstrated the use of a fixed feature comparison process (called CDM), a fixed (but extensible) framework of design methodology features (the Base Framework, BF), and a fixed process/product modeling formalism (based upon HFSP) in supporting such comparisons. We have obtained both broad, general SDM comparison resul ...

17   Enhancing Design Methods to Support Real Design Processes
Barbara Staudt Lerner, Stanley M. Sutton Jr, Leon J. Osterweil
April 1998 **Proceedings of the 9th international workshop on Software specification and**
           design
Publisher: IEEE Computer Society
Full text available: pdf(114.89
           KB)   Additional Information: full citation, abstract, citings
           Publisher Site

Software design methods typically focus on the activities that individual designers should perform under ideal circumstances. They rarely, if ever, address the activities that should be performed when things do not go according to plan, such as when a customer requests changes to the specification, or when early design decisions must be changed. They also rarely address issues involving coordination of multiple designers in cooperative design tasks or in competition for limited resources. We are ...

Keywords: Object-oriented design, Booch, process programming

18   Software environment research: the next five years
Leon Osterweil, Lori Clarke, Donald Good, Raymond Houghton, Thomas Love, Patricia Santoni, Daniel Teichroew, Anthony Wasserman
August 1981 **ACM SIGSOFT Software Engineering Notes**, Volume 6 Issue 4
Publisher: ACM Press
Full text available: pdf(1.01
           MB)   Additional Information: full citation, references

19   Strategic directions in software quality
Leon Osterweil
December 1996 **ACM Computing Surveys (CSUR)**, Volume 28 Issue 4
Publisher: ACM Press
Full text available: pdf(212.16   Additional Information: full citation, references, citings, index
           KB)   terms

20   Panels: Lightweight vs. heavyweight processes: is this even the right question?

Leon J. Osterweil, Philippe Kruchten, Martin Fowler, Wilhelm Schäfer
May 2002 **Proceedings of the 24th International Conference on Software Engineering**
Publisher: ACM Press
Full text available: pdf(73.49 KB)   Additional Information: full citation, abstract, index terms

Interest in the use of processes to provide assistance in software development activities remains at a high level. But the focus of attention has shifted in recent years. Early work emphasizing the study of languages for defining processes was rapidly eclipsed by process evaluation and improvement work, most notably the Capability Maturity Model (CMM). As process improvement has matured as a strategy and philosophy it has also given rise to a strong reaction to the perception that it is unduly p ...

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